

Comparisons of Job Characteristics

Focus Occupation: [Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic \(51-4072\)](#)

Associated Occupation: [Pourers and Casters, Metal \(51-4052\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 68

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)

Associated Occupation: Pourers and Casters, Metal (51-4052)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	7.5	10.1	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)

Associated Occupation: Pourers and Casters, Metal (51-4052)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation Monitoring	6.6	9.5	11.4	> Skill level is likely sufficient
Operation and Control	5.4	8.7	11.1	> Skill level is likely sufficient
Equipment Maintenance	3.5	6.7	7.4	> Skill level is likely sufficient
Troubleshooting	4.5	6.2	7.6	> Skill level is likely sufficient
Repairing	3.4	5.8	6.9	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)

Associated Occupation: Pourers and Casters, Metal (51-4052)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Arm-Hand Steadiness	6.8	10.7	9.8	0	Current ability level may be sufficient
Control Precision	6.6	10.3	9.7	0	Current ability level may be sufficient
Manual Dexterity	6.5	9.8	10.1	0	Current ability level may be sufficient
Reaction Time	4.8	9.0	8.7	0	Current ability level may be sufficient
Static Strength	5.0	8.4	10.5	>	Current ability level is likely sufficient
Rate Control	3.8	7.2	8.4	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)

Associated Occupation: Pourers and Casters, Metal (51-4052)

Work Activities	Exclusivity of Activity
Adjust production equipment/machinery setup	25
Attach or mark identification onto products or containers	54
Cast metal objects	89
Construct molds	81
Examine products or work to verify conformance to specifications	15
Load or unload material or workpiece into machinery	34
Maintain or repair industrial or related equipment/machinery	39
Monitor production machinery/equipment operation to detect problems	27
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Perform safety inspections in manufacturing or industrial setting	33
Signal directions or warnings to coworkers	42
Use hand or power tools	2

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: n/a

Focus Occupation: Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic (51-4072)

Associated Occupation: Pourers and Casters, Metal (51-4052)

Tools and Technologies	Exclusivity
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Tools and technology data is unavailable for one or both occupations.	
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Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.